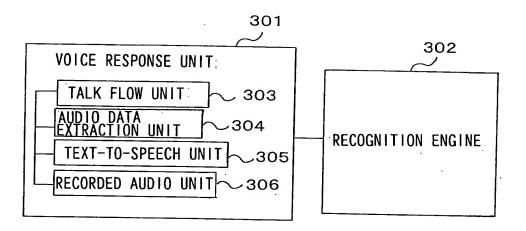


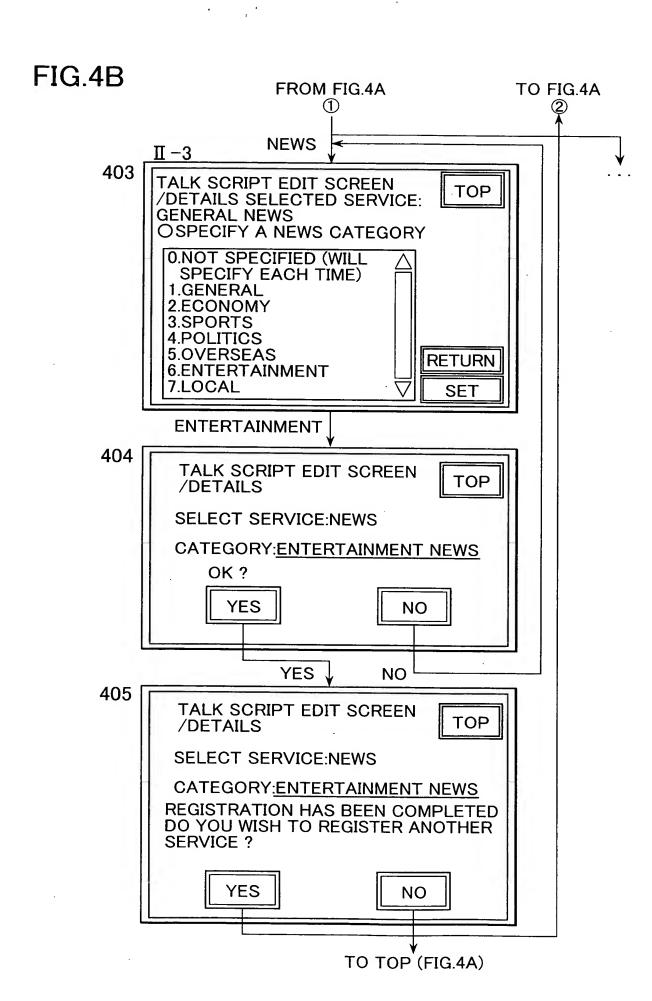
FIG.2



# FIG.4A

**EXAMPLE OF CUSTOMIZATION EXECUTED ON THE WEB** 

40	00 TOP SCREEN	,
	VEHICLE AUDIO SERVICE	
	WELCOME TO VEHICLE AUDIO SERVICE ENTER YOUR MEMBER ID AND PASSWORD	
	ID PASSWORD	
İ	PRESS HERE IF YOU ARE A NON-MEMBER	
40	01	
	AUDIO SERVICE REGISTRATION TOP	
	THE AUDIO SERVICE CAN BE CUSTOMIZED TO SUIT YOUR NEEDS	
	CUSTOMIZE ?	
	YES NO	
40	2 YES	٦
40	TALK SCRIPT EDIT SCREEN	
40	2	
40	TALK SCRIPT EDIT SCREEN  OSELECT SERVICES YOU ARE LIKELY TO USE FREQUENTLY  1.GENERAL NEWS	
40	TALK SCRIPT EDIT SCREEN  OSELECT SERVICES YOU ARE LIKELY TO USE FREQUENTLY  1.GENERAL NEWS 2.WEATHER FORECAST (WEEKLY)	
40	TALK SCRIPT EDIT SCREEN  OSELECT SERVICES YOU ARE LIKELY TO USE FREQUENTLY  1.GENERAL NEWS 2.WEATHER FORECAST (WEEKLY) 3.WEATHER FORECAST (TODAY/TOMORROW)	
40	TALK SCRIPT EDIT SCREEN  OSELECT SERVICES YOU ARE LIKELY TO USE FREQUENTLY  1.GENERAL NEWS 2.WEATHER FORECAST (WEEKLY) 3.WEATHER FORECAST (TODAY/TOMORROW) 4.TRAFFIC INFORMATION	
40	TALK SCRIPT EDIT SCREEN  OSELECT SERVICES YOU ARE LIKELY TO USE FREQUENTLY  1.GENERAL NEWS 2.WEATHER FORECAST (WEEKLY) 3.WEATHER FORECAST (TODAY/TOMORROW) 4.TRAFFIC INFORMATION 5.DESTINATION 6.TELEPHONE SEARCH	
40	TALK SCRIPT EDIT SCREEN  OSELECT SERVICES YOU ARE LIKELY TO USE FREQUENTLY  1.GENERAL NEWS 2.WEATHER FORECAST (WEEKLY) 3.WEATHER FORECAST (TODAY/TOMORROW) 4.TRAFFIC INFORMATION 5.DESTINATION 6.TELEPHONE SEARCH 7.FORTUNE TELLING	
40	TALK SCRIPT EDIT SCREEN  OSELECT SERVICES YOU ARE LIKELY TO USE FREQUENTLY  1.GENERAL NEWS 2.WEATHER FORECAST (WEEKLY) 3.WEATHER FORECAST (TODAY/TOMORROW) 4.TRAFFIC INFORMATION 5.DESTINATION 6.TELEPHONE SEARCH 7.FORTUNE TELLING 8.RESTAURANT INFORMATION	
40	TALK SCRIPT EDIT SCREEN  OSELECT SERVICES YOU ARE LIKELY TO USE FREQUENTLY  1.GENERAL NEWS 2.WEATHER FORECAST (WEEKLY) 3.WEATHER FORECAST (TODAY/TOMORROW) 4.TRAFFIC INFORMATION 5.DESTINATION 6.TELEPHONE SEARCH 7.FORTUNE TELLING 8.RESTAURANT	
40	TALK SCRIPT EDIT SCREEN  OSELECT SERVICES YOU ARE LIKELY TO USE FREQUENTLY  1.GENERAL NEWS 2.WEATHER FORECAST (WEEKLY) 3.WEATHER FORECAST (TODAY/TOMORROW) 4.TRAFFIC INFORMATION 5.DESTINATION 6.TELEPHONE SEARCH 7.FORTUNE TELLING 8.RESTAURANT INFORMATION 9.PROFESSIONAL	
40	TALK SCRIPT EDIT SCREEN  OSELECT SERVICES YOU ARE LIKELY TO USE FREQUENTLY  1.GENERAL NEWS 2.WEATHER FORECAST (WEEKLY) 3.WEATHER FORECAST (TODAY/TOMORROW) 4.TRAFFIC INFORMATION 5.DESTINATION 6.TELEPHONE SEARCH 7.FORTUNE TELLING 8.RESTAURANT INFORMATION 9.PROFESSIONAL	



### FIG.4C

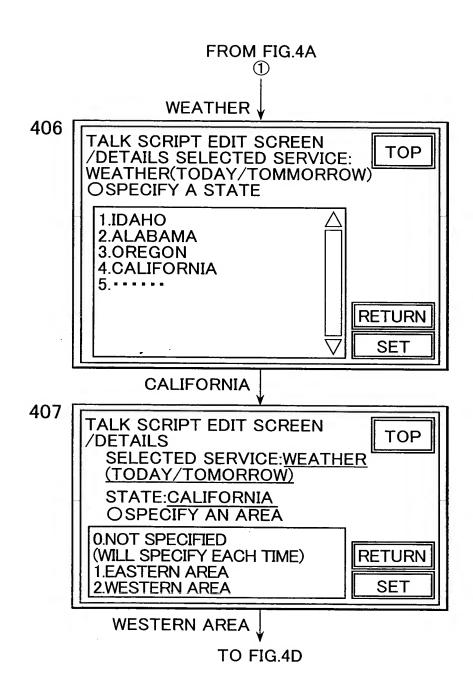
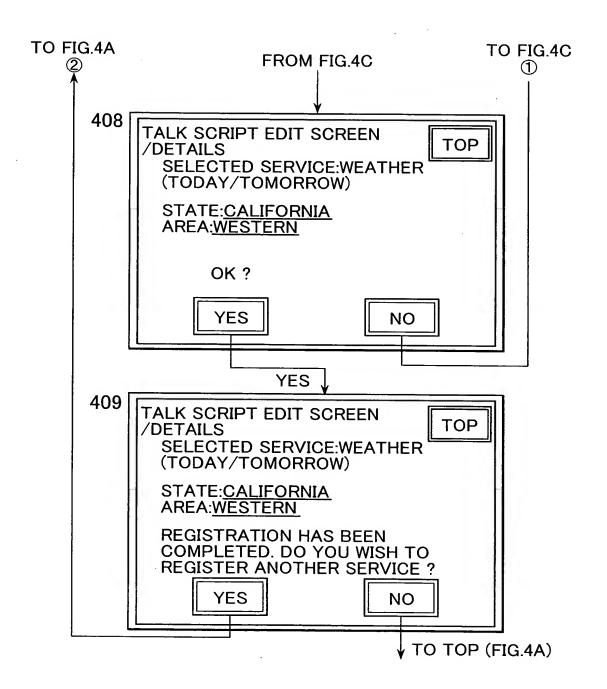


FIG.4D



### FIG.4E

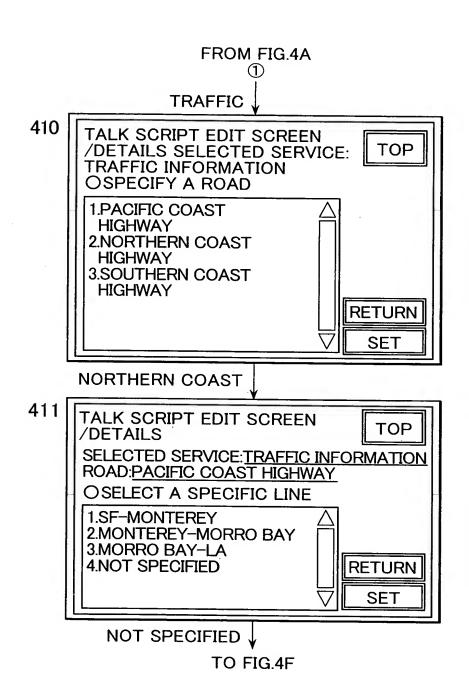
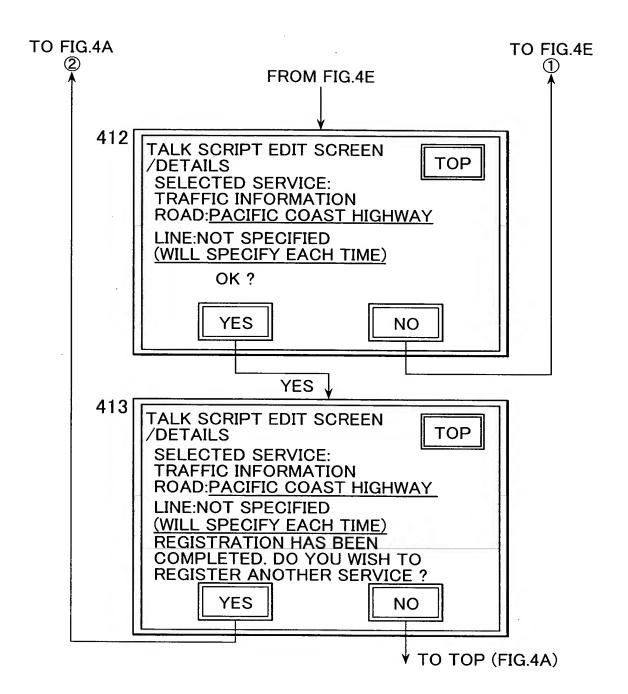


FIG.4F



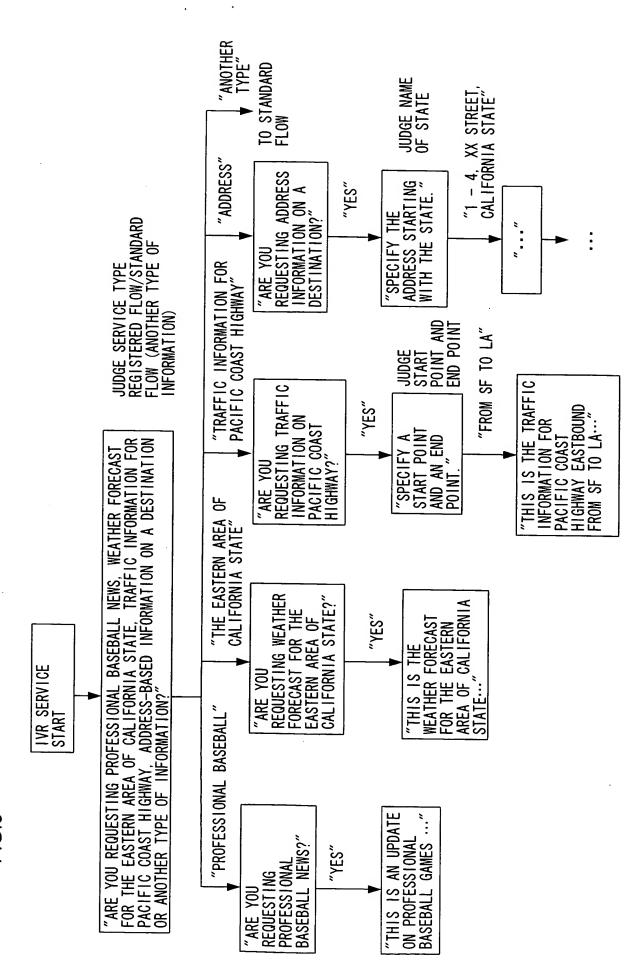


FIG.6

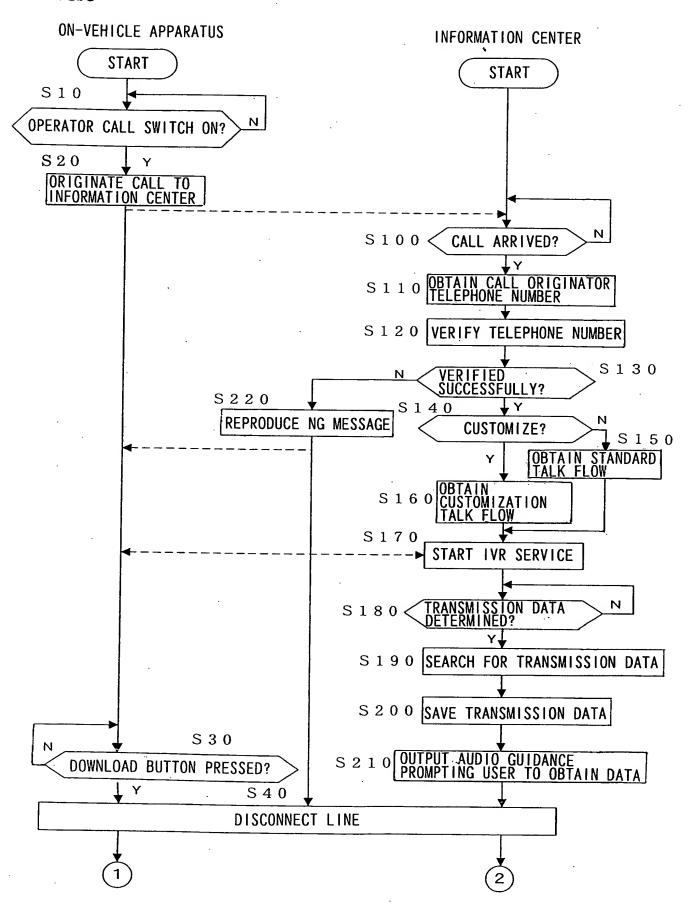


FIG.7

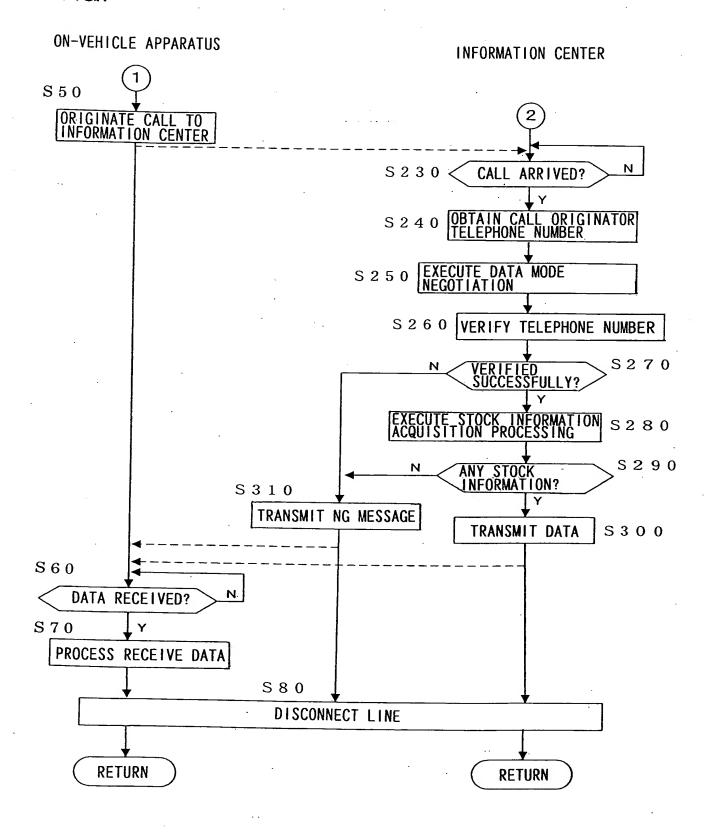


FIG.8

				10 TRAFFIC/11 WFATHER		MAIN TEXT	IMAGE DATA	I CON DATA	
2002/10/10 7:32	***	09088888X X		10	PACIFIC COAST HIGHWAY		•	•	
STOCK DATE/TIME	USER 1D	PORTABLE TELEPHONE NUMBER	•	SERVICE TYPE 10	TITLE	STOCK INFORMATION MAIN TEXT	IMAGES	ICONS	•

CONDITION 3 CONDITION AL	NO. I GNOOD O																								
1 CONDITION 2	A-CITY TO B-CITY	r						FASTERN ARFA	FASTERN	_	A-CITY TO B-CITY	FASTERN ARFA	A-CITY TO B-CITY				D-CITY TO F-CITY		WESTERN AREA	EASTERN AREA				CAL I FORNIA FASTERN ARFA	
CONDITION	LINE 1	LINE	Ή.					CAL LEORNIA	CALIFORNIA	CALIFORNIA	L INE 1	CALIFORNIA	I INF 1				ILINE 3	L INE 1	CALIFORNIA	CALIFORNIA	1		ا	ICAL LEORNIA	•
SERVICE	:00 TRAFFIC INFORMATION	TRAFFIC INFORMAT	$\kappa$	EBALL	PROFESSIONAL BASEBALL	BALL	PROFESSIONAL BASEBALL	WEATHER FORECAST	55 WEATHER FORECAST	:01 WEATHER FORECAST	20 TRAFFIC INFORMATION	30 WEATHER FORECAST	00 TRAFFIC INFORMATION	:02 PROFESSIONAL BASEBALL UPDATE	1 PROFESSIONAL BASEBALL	PROFESSIONAL BASEBALL	O TRAFFIC INFORMATION	TRAFFIC INFORMATI	WEATHER	WEATHER FORECAST	PROFESSIONAL BASE	):40 PROFESSIONAL BASEBALL UPDATE	10 PROFESSIONAL BASEBALL UPDATE	:59 WEATHER FORECAST	•
DAY TIME	2 7:07:	5 10:00:30	15 20:11:	15 21:11:	16 21:00:00	19 22:00:	20 19:20:30	21 7:00:08	25 7:50:55	_	30 15:03:20	1 12:12:30	1 14:00:00	1 20:11:	2 21:11:1	3 21:00:00	5 7:00:1	5 8:00:00			19:20	8 22:00:4	9 22:00:40	9 23:59:5	•
MONTH			8	8	8	8	8	8	8	œ	<b>∞</b>	9	6	6	6	6	6	6	6	6	6	6	6	6	
YEAR	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	

FIG.10A

TABULATION RESULT EXAMPLE (1)

SERVICE		1 INDITION	NUMBER OF TIMES		NUMBER OF	
	SERVICES RECEIVED	_	SERVICES RECEIVED	COND 1 1 ON 2	SERVICES RECEIVED	•
PROFESSIONAL BASEBALL UPDATE	20	_	20		20	
WEATHER FORECAST		13 CAL LEORNIA	13	EASTERN AREA	12	
	2	171111111111111111111111111111111111111		WESTERN AREA		
			91	16 A-CITY TO B-CITY	1	
TRAFFIC INFORMATION	26	26/LINE 1		8-CITY TO C-CITY	4	
	1			C-CITY TO F-CITY		
		LINE 3	01	D-CITY TO E-CITY	101	
•					2	
						-

FIG.10B

TABULATION RESULT EXAMPLE (2)

	SERVICE	NUMBER OF TIMES SERVICES RECEIVED	CONDITION 1 SERVICES RECEIVED	NUMBER OF TIMES SERVICES RECEIVED	CONDITION 2	NUMBER OF TIMES SERVICES RECEIVED	•
	PROFESSIONAL BASEBALL UPDATE			-181-		18	
4		24	24   INF 1	14	14 A-CITY TO B-CITY	11	
EEKDAY	EEKDAY TRAFFIC INFORMATION		ר זור ו		B-CITY TO C-CITY	3	
			LINE 3	10	D-C1TY TO E-C1TY	10	
	•						
	PROFESSIONAL BASEBALL UPDATE	2	1	2		2	
	WEATHER EDRECACT	13	13 CALLEDONIA	13	13 EASTERN AREA	12	
VACI IO			טאבוו טווווא		WESTERN AREA		
	TRAFFIC INFORMATION	6	9 I INF 1	6	A-CITY TO B-CITY	-	
		1	י וויר	7	B-CITY TO F-CITY		
	•		•				
							ı

FIG.11

FIG.12

EXTRACTION CONDITION	PARAMETER	DETAILS
NUMBER OF EXTRACTIONS	က	NUMBER OF SERVICES / CONDITIONS TO BE BUILT INTO A HIGHER-ORDER HIERARCHICAL LAYERS IN THE TALK FLOW (PARAMETER 3 INDICATES THAT THREE ITEMS, PROFESSIONAL BASEBALL, WEATHER AND TRAFFIC INFORMATION FROM A-CITY TO B-CITY, ARE BUILT INTO THE HIGHER-ORDER HIERARCHICAL LAYERS, AS SHOWN IN FIG. 11)
EXTRACTION LEVEL	2	THE SERVICE/CONDITION LEVEL (THE LEVEL OF DETAILS) AT WHICH SERVICE/CONDITIONS FREQUENTLY USED BY THE USER ARE TO BE EXTRACTED BASED UPON THE TABULATION RESULTS. THE FREQUENTLY USED SERVICE/CONDITIONS ARE EXTRACTED BASED UPON THE TABULATION RESULTS IN CONFORMANCE TO THIS LEVEL AND THE TALK FLOW IS FORMATTED TO INCLUDE ALL THE DIFFERENT TYPES OF SERVICES THUS EXTRACTED.  1: CONDITION 1 2: CONDITION 2 1: CONDITION 2 2: CONDITION 2 1: CONDITION 2 2: CONDITION 3 3: SERVICE CALIFORNIA STATE AND TRAFFIC INFORMATION FOR THE EASTERN AREA OF CALIFORNIA STATE AND TRAFFIC INFORMATION FOR PACIFIC COAST HIGHWAY FROM A-CITY TO B-CITY, ARE BUILT INTO THE FLOW AT CONDITION 2 SETTING). THE LEVEL MAY BE SET INDIVIDUALLY FOR EACH SERVICE (SEE EXTRACTION 1 BELOW)
(EXTRACTION LEVEL 1 (TRAFFIC))		EXTRACTION LEVEL FOR TRAFFIC INFORMATION (WHEN THE EXTRACTION LEVEL FOR TRAFFIC INFORMATION IS SET TO 0 AND THE EXTRACTION LEVELS FOR ALL THE OTHER SERVICES ARE SET TO 2, TRAFFIC INFORMATION/PROFESSIONAL BASEBALL/WEATHER FOR EASTERN AREA OF CALIFORNIA STATE ARE BUILT INTO THE TALK FLOW)
(EXTRACTION LEVEL 2 (NEWS))	•	EXTRACTION LEVEL FOR NEWS

FIG.13A

IVR2 IVR RECIGNITION RESULT 3 RESULT 2	"ARE YOU "YES" "SPECIFY "PACIFIC REQUESTING A ROAD" COAST TRAFFIC INFORMATION	"ARE YOU "YES" "SPECIFY A (NO CATEGORY SUCCESSFUL YOU ARE INTERESTED INTEREST	"ARE YOU "YES" "SPECIFY A "ALABAMA STATE" STATE" STATE" FORECAST?"	"" "" "" ""	
IVR RECOGNITION RESULTS 1(RESULTS OF IVR RECOGNITION OF SPEECH BY A USER)	"TRAFFIC INFORMATION"	"GENERAL NEWS"	"WEATHER FORECAST"	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	:
IVR1	"SPECIFY A SERVICE YOU WISH TO •••	"SPECIFY A SERVICE YOU WISH TO •••	"SPECIFY A SERVICE YOU WISH TO	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
DATE/ TIME	2002/2/2 15:00	2002/2/5 9:00	2002/2/6 12:00	2002/2/6 12:00	:

(A PORTION OF THE USER'S SPEECH "KABU" IS NOT RECOGNIZED) / (A PORTION OF THE USER'S SPEECH "CALIFORNIA STATE" IS ERRONEOUSLY RECOGNIZED)

FIG.13B

	I				
			·	"""	0 0
IVR RECIGNITION RESULT 6	),		DISCONNECT	// BB 0 //	
IVR6	"ARE YOU REQUESTING TRAFFIC INFORMATION FOR PACIFIC COAST HIGHWAY FROM A-CITY TO B-CITY?"	,, ,	"ARE YOU REQUESTING WEATHER FORECAST FOR ALABAMA STATE?"	"	0 0
IVR RECIGNITION RESULT 5	"FROM A-CITY TO B-CITY"	"YES"	"ALABAMA STATE	,, , , , , , , , , , , , , , , , , , , ,	8 0
IVR5	"SPECIFY. AN AREA"	"ARE YOU REQUESTING INFORMATION ON STOCK PRICES?"	"WE ARE SORRY. PLEASE SPECIFY THE STATE AGAIN"	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0
IVR RECIGNITION RESULT 4	"YES"	"STOCK MARKET"	"NO"	,, ,, ,,	o o
WR4	"ARE YOU REQUESTING TRAFFIC INFORMATION FOR PACIFIC COAST HIGHWAY?"	WE HAVE NOT BEEN ABLE TO RECOGNIZE YOUR REQUEST. YOUR REQUEST. YOUR REQUEST AGAIN	"ARE YOU REQUESTING WEATHER FORECAST FOR ARIZONA STATE?"	,, ,, ,,	0 0 8
		,			

## FIG.14

#### (CONDITIONS ONLY)

STOCK DATE/T	IME	2002/10/10 7:32				
USER ID		****				
PORTABLE TEL	EPHONE NUMBER	090888888XX				
• • •		• • •				
STOCK	SERVICE TYPE	10				
INFORMATION	CONDITION 1	PACIFIC COAST HIGHWAY				
	CONDITION 2	A-CITY TO B-CITY				
		• • •				

10 TRAFFIC /11WEATHER/...